


## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

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## DATA MATRIX


Date September 19, 2013			EPA Reg. No./File Symbol 84229-		Page 1 of 4
Applicant's/Registrant's Name & Address  Tide International USA, Inc. 21 Hubble Irvine, CA 92618			Product  Tide Hexazinone Technical		
Ingredient Hexazinone (CAS No. 51235-04-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>Product Specific Data Requirements</b>					
830.1550	Product Identity and Composition	Volume 1	Tide International USA, Inc.	OWN	
830.1600	Description of Materials Used to Produce the Product	Volume 1	Tide International USA, Inc.	OWN	
830.1620	Description of Production Process	Volume 1	Tide International USA, Inc.	OWN	
830.1650	Description of Formulation Process				Not required <sup>1</sup>
830.1670	Discussion of Formation of Impurities	Volume 1	Tide International USA, Inc.	OWN	
830.1700	Preliminary Analysis	Volume 2	Tide International USA, Inc.	OWN	
830.1750	Certified Limits	Volume 1	Tide International USA, Inc.	OWN	
830.1800	Enforcement Analytical Method	Volume 1 Volume 2 Volume 3	Tide International USA, Inc. Tide International USA, Inc. Tide International USA, Inc.	OWN OWN OWN	
830.6302	Color	Volume 4	Tide International USA, Inc.	OWN	
830.6303	Physical State	Volume 5	Tide International USA, Inc.	OWN	
830.6304	Odor	Volume 6	Tide International USA, Inc.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	Volume 7	Tide International USA, Inc.	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	Volume 8	Tide International USA, Inc.	OWN	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Sept. 19, 2013

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Ingredient Hexazinone (CAS No. 51235-04-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6315	Flammability	Volume 15	Tide International USA, Inc.	OWN	Waiver <sup>2</sup>
830.6316	Explosibility	Volume 15	Tide International USA, Inc.	OWN	Waiver <sup>3</sup>
830.6317	Storage Stability	Volume 15	Tide International USA, Inc.	OWN	PRN 92-5 <sup>4</sup>
830.6319	Miscibility				Not required <sup>5</sup>
830.6320	Corrosion Characteristics	Volume 15	Tide International USA, Inc.	OWN	PRN 92-5 <sup>4</sup>
830.6321	Dielectric Breakdown Voltage				Not required <sup>6</sup>
830.7000	pH	Volume 9	Tide International USA, Inc.	OWN	
830.7050	UV/Visible Absorption	Volume 10	Tide International USA, Inc.	OWN	
830.7100	Viscosity	Volume 15	Tide International USA, Inc.	OWN	Waiver <sup>7</sup>
830.7200	Melting Point/Melting Range	Volume 11	Tide International USA, Inc.	OWN	
830.7220	Boiling Point/Boiling Range	Volume 15			Not required <sup>8</sup>
830.7300	Density/Relative Density/Bulk Density	Volume 12	Tide International USA, Inc.	OWN	
830.7370	Dissociation Constants in Water	Volume 15	Tide International USA, Inc.	PL	
830.7520	Particle Size, fiber length, and diameter, distribution	Volume 15	Tide International USA, Inc.	OWN	Waiver <sup>9</sup>
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	Volume 15	Tide International USA, Inc.	PL	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Sept. 19, 2013

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Ingredient Hexazinone (CAS No. 51235-04-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7560
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7560
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	Volume 13 Volume 14	Tide International USA, Inc. Tide International USA, Inc.	OWN OWN	
830.7860	Water Solubility, Generator Column Method				See 830.7840
830.7950	Vapor Pressure	Volume 15	Tide International USA, Inc.	PL	
870.1100	Acute Oral Toxicity: Rat	Volume 16	Tide International USA, Inc.	OWN	
870.1200	Acute Dermal Toxicity: Rat	Volume 17	Tide International USA, Inc.	OWN	
870.1300	Acute Inhalation Toxicity: Rat	Volume 18	Tide International USA, Inc.	OWN	
870.2400	Primary Eye Irritation: Rabbit	Volume 19	Tide International USA, Inc.	OWN	
870.2500	Primary Dermal Irritation	Volume 20	Tide International USA, Inc.	OWN	
870.2600	Dermal Sensitization	Volume 21	Tide International USA, Inc.	OWN	
<b>Generic Data Requirements</b>					
Tide International USA, Inc. will make offers-to-pay to the following companies on the April 8, 2013 Data Submitters List for Hexazinone					
		Cite-All	Nufarm Americas Inc.	PAY	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Sept. 19, 2013

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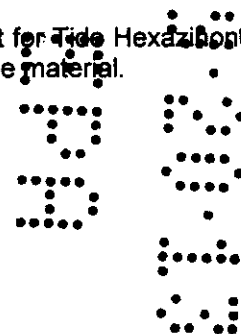
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Ingredient Hexazinone (CAS No. 51235-04-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	FMC Corp Agricultural Products Group	PAY	
		Cite-All	E. I. DuPont de Nemours and Co.	PAY	
		Cite-All	Helena Chemical Co.	PAY	
		Cite-All	Makhteshim Agan of North America, Inc.	PAY	
		Cite-All	Spray Drift Task Force	OWN	See endnote <sup>10</sup>
		Cite-All	Outdoor Residential Exposure Task Force LLC	OWN	See endnote <sup>10</sup>
		Cite-All	Agricultural Reentry Task Force	OWN	See endnote <sup>10</sup>
		Cite-All	FIFRA Endangered Species Task Force LLC	PAY	
		Cite-All	Agricultural Handlers Exposure Task Force	OWN	See endnote <sup>10</sup>
		Cite-All	Alligare, LLC	PAY	
		Cite-All	Celsius Property B.V. Amsterdam	PAY	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Sept. 19, 2013

## Endnotes for Data Matrix for Tide Hexazinone Technical

- <sup>1</sup> **830.1650** - These data are not required for the registration of a technical product. See 830.1620 for production process information.
- <sup>2</sup> **830.6315** - Tide International requests a waiver from this data requirement because Tide Hexazinone Technical is a solid and is not expected to be flammable.
- <sup>3</sup> **830.6316** - Tide International requests a waiver from this data requirement because hexazinone does not have the chemical bonds or functional groups associated with explosive chemicals.
- <sup>4</sup> **830.6317 and 830.6320** - Per PR Notice 92-5, storage stability and corrosion characteristics data are not required to be submitted unless specifically requested by the Agency. Tide International USA, Inc. has initiated these studies and will submit the final reports if required when the studies are completed.
- <sup>5</sup> **830.6319** - This data requirement is required when the MUP is an emulsifiable liquid and to be diluted with petroleum solvents. Tide Hexazinone Technical is a technical solid that is not to be diluted with petroleum solvents. This data requirement is not applicable.
- <sup>6</sup> **830.6321** - These data are not required unless the product is an end-use product. Tide Hexazinone Technical is a technical grade material and this data requirement is not applicable.
- <sup>7</sup> **830.7100** - These data are required when the product is a liquid. Tide Hexazinone Technical is a solid. Therefore, this data requirement is not applicable to Tide Hexazinone Technical.
- <sup>8</sup> **830.7220** - Boiling point data are only required for liquids. Tide Hexazinone Technical is a solid. Therefore, this data requirement is not applicable to Tide Hexazinone Technical.
- <sup>9</sup> **830.7520** - Tide International USA Inc. requests a waiver for this data requirement for Tide Hexazinone Technical because hexazinone is not a fibrous material and is not a water-insoluble material.
- <sup>10</sup> Tide International USA, Inc. is a member in good standing with this task force.

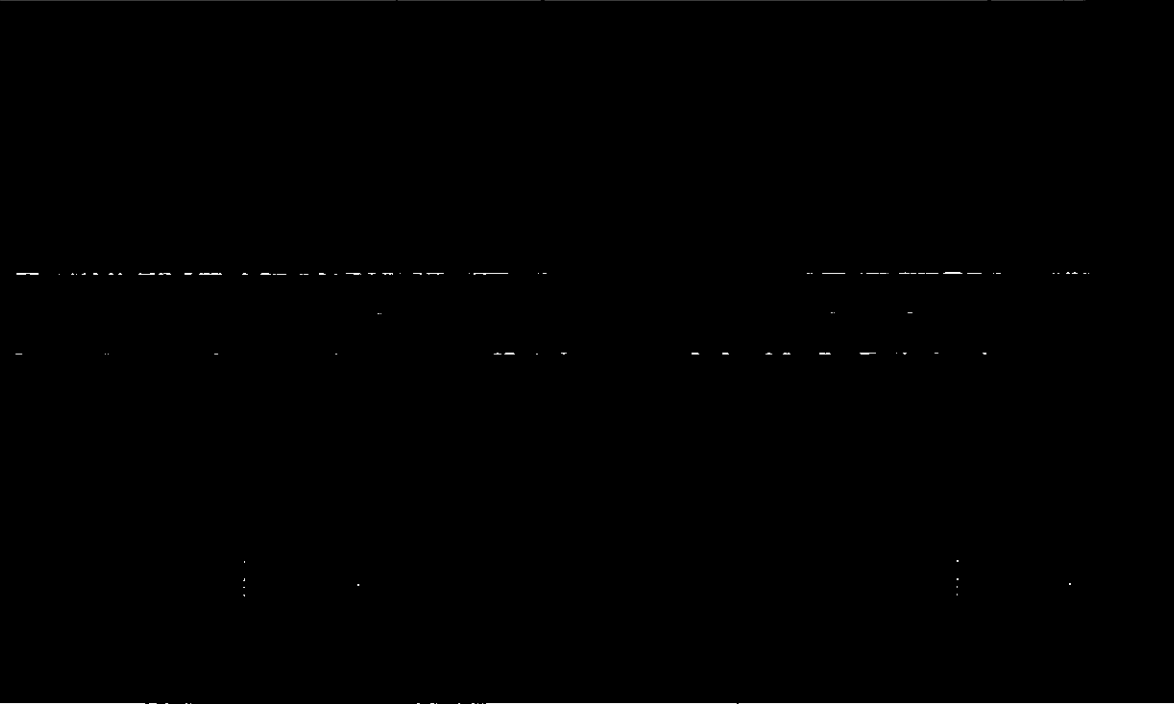



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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
					Not required <sup>1</sup>
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
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			Tide International USA, Inc.	OWN	
Signature 		Name and Title Ann M. Tulin, Consultant		Date Sept. 19, 2013	

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Ingredient Hexazinone (CAS No. 51235-04-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Tide International USA, Inc.	OWN	Waiver <sup>2</sup>
			Tide International USA, Inc.	OWN	Waiver <sup>3</sup>
			Tide International USA, Inc.	OWN	PRN 92-5 <sup>4</sup>
					Not required <sup>5</sup>
			Tide International USA, Inc.	OWN	PRN 92-5 <sup>4</sup>
					Not required <sup>6</sup>
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	Waiver <sup>7</sup>
			Tide International USA, Inc.	OWN	
					Not required <sup>8</sup>
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	PL	
			Tide International USA, Inc.	OWN	Waiver <sup>9</sup>
Tide International USA, Inc.	PL				
Signature			Name and Title		Date
			Ann M. Tillman, Consultant		Sept. 19, 2013

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					See 830.7560
					See 830.7560
			Tide International USA, Inc. Tide International USA, Inc.	OWN OWN	
					See 830.7840
			Tide International USA, Inc.	PL	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Tide International USA, Inc.	OWN	
			Nufarm Americas Inc.	PAY	
Signature 		Name and Title Ann M. Tillman, Consultant			Date Sept. 19, 2013




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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			FMC Corp Agricultural Products Group	PAY	
			E. I. DuPont de Nemours and Co.	PAY	
			Helena Chemical Co.	PAY	
			Makhteshim Agan of North America, Inc.	PAY	
			Spray Drift Task Force	OWN	See endnote <sup>10</sup>
			Outdoor Residential Exposure Task Force LLC	OWN	See endnote <sup>10</sup>
			Agricultural Reentry Task Force	OWN	See endnote <sup>10</sup>
			FIFRA Endangered Species Task Force LLC	PAY	
			Agricultural Handlers Exposure Task Force	OWN	See endnote <sup>10</sup>
			Alligare, L.L.C.	PAY	
			Celsius Property B.V. Amsterdam	PAY	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Sept. 19, 2013